

Buffer[1] Vas

Ver 7.01

Completed: Thu Apr 30 01:00:36 2015

Drive level 100.000% [3.440 mA]

Sine,LoZP(LV/LA)->Vas,18 pts

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Re      =      1.7173 ohms
Fs      =      32.2101 Hz
Zmax    =      18.6802 ohms
Qes     =      0.6430
Qms     =      11.1647
Qts     =      0.6080
Le      =      1.5405 mH (at 1 kHz)
Diam    =      310.0000 mm ( 12.2047 in )
Sd      =      75476.7656 mm^2(116.9892 in^2)
Vas     =      43.5983 L ( 1.5397 ft^3)
BL      =      12.0457 N/A
Mms     =      453.1868 g
Cms     =      53.8739 uM/N
Kms     =      18561.8555 N/M
Rms     =      8.2149 R mechanical
Efficiency =      0.2129 %
Sensitivity=      85.2995 dB @1W/1m
Sensitivity=      94.2558 dB @2.83Vrms/1m
Krm     =      6.167E-03 ohms      Freq dependent resistance
Erm     =      749.029E-03      Rem=Krm*(2*pi*f)^Erm
Kxm     =      31.575E-03 Henries  Freq dependent reactance
Exm     =      642.535E-03      Xem=Kxm*(2*pi*f)^Exm
xmax    =      18,75 mm
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Ftest   =      27.919 Hz
Ftest/Fms =      0.8668
Test Mass used =      150.0000 g (Equal to 30.0 nickels)
Test Mass (Ft=Fms*0.90) =      106.303 g (Add -43.697g for Ft=28.989)
Test Mass (Ft=Fms*0.75) =      352.479 g (Add 202.479g for Ft=24.158)

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